

L Number	Hits	Search Text	DB	Time stamp
1	1	catalyst\$1 same (partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:11
2	48	catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:17
3	1	(partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3) same combination	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:18
4	22	catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3) and combination same reform\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:20
6	0	(partial\$1oxidation) with (water\$1shift\$3) with (steam\$1reform\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:19
5	2	(partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:19
7	1	catalyst\$1 with (partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3) and combination same reform\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:22
8	50234	catalyst\$1 same combination	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:22
9	35403	catalyst\$1 with combination	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:23
10	16530	catalyst\$1 near3 combination	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:25
12	49	(catalyst\$1 with combination) and (catalyst\$1 same (partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3)) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3)) or ((partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3) same combination) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3) and combination same reform\$4) or ((partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3)) or ((partial\$1oxidation) with (water\$1shift\$3) with (steam\$1reform\$3)) or (catalyst\$1 with (partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3) and combination same reform\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:23

13	49	(catalyst\$1 near3 combination) and (catalyst\$1 same (partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3)) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3)) or ((partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3) same combination) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3) and combination same reform\$4) or ((partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3)) or ((partial\$1oxidation) with (water\$1shift\$3) with (steam\$1reform\$3)) or (catalyst\$1 with (partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3) and combination same reform\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:24
11	49	(catalyst\$1 same combination) and (catalyst\$1 same (partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3)) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3)) or ((partial adj oxidation) same (water adj shift\$3) same (steam adj reform\$3) same combination) or (catalyst\$1 and (partial adj oxidation) and (water adj shift\$3) and (steam adj reform\$3) and combination same reform\$4) or ((partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3)) or ((partial\$1oxidation) with (water\$1shift\$3) with (steam\$1reform\$3)) or (catalyst\$1 with (partial adj oxidation) with (water adj shift\$3) with (steam adj reform\$3) and combination same reform\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:24
14	3055	catalyst\$1 same combin\$5 same advantage	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:26
15	157	catalyst\$1 same combin\$5 same advantage same efficiency	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/18 19:27

(21) The above described embodiment of the direct antifreeze cooled fuel cell power plant system 10 includes fuel processing component means utilizing an autothermal reformer as an exemplary reformer means for reforming the fuel into a hydrogen rich reducing fluid. However, alternative embodiments of the fuel processing means may include differing reformers such as steam and/or partial oxidation reformers, or combinations thereof, employing minor alterations of the flow configurations described above and shown in FIG. 1. The reactants in a steam reformer are a hydrocarbon fuel and water vapor. Use of well known control apparatus means for shutting off or eliminating the oxidant stream passing through the reformer extension 150 of the oxidant inlet 26 to the reformer means 130 effectively allows the fuel processing component means to operate with a steam reformer. The reactants in a partial oxidation reformer are a hydrocarbon fuel and oxygen, such as may be taken from ambient air. Use of well known control apparatus means for shutting off or eliminating the steam within the steam feed line 132 being fed to the reformer means 130 effectively allows the fuel processing component means to operate with a partial oxidation reformer. In an alternative embodiment, the system 10 may utilize the well-known flow control apparatus means so that the fuel processing component means operate first with a partial oxidation reformer, and upon the development of differing operational conditions, as an autothermal reformer.